

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) An isolated nucleic acid molecule encoding a humanized immunoglobulin light chain or antigen-binding fragment thereof that binds to CC chemokine receptor 2 (CCR2) and comprising comprises CDR1, CDR2 and CDR3 of the variable light chain of murine ID9 antibody SEQ ID NO:9 and a human light chain framework region from of the light chain of the human HF 21/28 antibody of SEQ ID NO:11.
2. (Cancelled)
3. (Previously presented) The isolated nucleic acid molecule of Claim 1, wherein said humanized immunoglobulin light chain or antigen-binding fragment thereof comprises the variable region of SEQ ID NO: 12, 13, 14, 15 or 107.
4. (Previously presented) The isolated nucleic acid molecule of Claim 3, wherein said nucleic acid molecule comprises the variable region coding sequence of SEQ ID NO: 98.
5. (Currently amended) An isolated nucleic acid molecule encoding a humanized immunoglobulin heavy chain or antigen-binding fragment thereof that binds to CC chemokine receptor 2 (CCR2) and comprising comprises CDR1, CDR2 and CDR3 of the variable heavy chain of the ID9 antibody SEQ ID NO:10 and a human heavy chain framework region from of the heavy chain of the human 4B4'CL antibody of SEQ ID NO:16.
6. (Cancelled)

7. (Previously presented) The isolated nucleic acid molecule of Claim 5, wherein the humanized immunoglobulin heavy chain or antigen-binding fragment thereof comprises the variable region of SEQ ID NO: 17, 18, 19 or 20.

8. (Previously presented) The isolated nucleic acid molecule of Claim 7, wherein said nucleic acid molecule comprises the variable region coding sequence of SEQ ID NO: 97.

9. (Currently amended) An isolated nucleic acid molecule comprising a nucleotide nucleic acid sequence encoding a humanized immunoglobulin light chain or antigen-binding fragment thereof that binds to CC chemokine receptor 2 (CCR2), said light chain or antigen-binding fragment thereof having an amino acid sequence comprising at least an antigen binding portion of the light chain variable region amino acid sequence of SEQ ID NO: 12, 13, 14, 15 or 107.

10. (Currently amended) The isolated nucleic acid molecule of Claim 9, comprising the variable region coding sequence of SEQ ID NO: 98.

11. (Currently amended) An isolated nucleic acid molecule comprising a nucleotide nucleic acid sequence encoding a humanized immunoglobulin heavy chain or antigen-binding fragment thereof that binds to CC chemokine receptor 2 (CCR2), said heavy chain or antigen-binding fragment thereof having an amino acid sequence comprising at least an antigen binding portion of the heavy chain variable region amino acid sequence of SEQ ID NO: 17, 18, 19 or 20.

12. (Currently amended) The isolated nucleic acid molecule of Claim 11, comprising the variable region coding sequence of SEQ ID NO: 97.

13. (Previously presented) An expression vector comprising a nucleic acid molecule of claim 1.

14. (Cancelled)

15. (Previously presented) An isolated host cell comprising the expression vector of  
Claim 13.

16. (Previously presented) An expression vector comprising a nucleic acid molecule of  
claim 5.

17. (Cancelled)

18. (Previously presented) An isolated host cell comprising the expression vector of  
Claim 16.

19. (Previously presented) An isolated host cell comprising a first recombinant nucleic  
acid molecule encoding a humanized immunoglobulin light chain and a second recombinant  
nucleic acid molecule encoding a humanized immunoglobulin heavy chain, wherein said first  
nucleic acid molecule comprises a nucleic acid molecule of claim 1, and wherein said second  
nucleic acid molecule comprises a nucleic acid molecule of claim 5.

20. (Currently amended) A method of preparing a humanized immunoglobulin that  
binds to CC chemokine receptor 2 (CCR2) comprising maintaining a host cell of Claim 19 under  
conditions appropriate for expression of a humanized immunoglobulin, whereby humanized  
immunoglobulin chains are expressed and a humanized immunoglobulin is produced.

21. (Previously presented) The method of Claim 20, further comprising the step of  
isolating the humanized immunoglobulin.

22. (Currently amended) A-fused gene An isolated nucleic acid molecule encoding a  
humanized immunoglobulin light chain that binds to CC chemokine receptor 2 (CCR2)  
comprising:

- a) a first nucleic acid sequence encoding an antigen binding region comprising CDR1, CDR2 and CDR3 of the variable light chain of murine ID9 antibody SEQ ID NO:9 and a human light chain framework region from of the light chain of the human HF 21/28 antibody of SEQ ID NO:11; and
- b) a second nucleic acid sequence encoding at least a portion of a constant region of an immunoglobulin of human origin.

23. -65. (Cancelled)

66. (Currently amended) A-fused gene An isolated nucleic acid molecule encoding a humanized immunoglobulin heavy chain that binds to CC chemokine receptor (CCR2) comprising:

- a) a first nucleic acid sequence encoding an antigen binding region comprising CDR1, CDR2 and CDR3 of the variable heavy chain of murine ID9 antibody of SEQ ID NO:10 and a human heavy chain framework region from of the heavy chain of the human 4B4 'CL antibody of SEQ ID NO:16; and
- b) a second nucleic acid sequence encoding at least a portion of a constant region of an immunoglobulin of human origin.

67. (Previously presented) The isolated nucleic acid molecule of claim 1, wherein the light chain or antigen binding fragment thereof comprises the variable region of SEQ ID NO:12.

68. (Currently amended) The isolated nucleic acid molecule of claim 5, wherein the light heavy chain or antigen binding fragment thereof comprises the variable region of SEQ ID NO:17.

69. (Currently amended) The isolated nucleic acid molecule of claim 22, wherein the first nucleic acid sequence encodes the variable region of SEQ ID NO:12.

70. (Currently amended) The isolated nucleic acid molecule of claim 66, wherein the first nucleic acid sequence encodes the variable region of SEQ ID NO:17.

71. (Previously presented) The expression vector of claim 13, wherein the nucleic acid molecule encodes the humanized light chain or antigen binding portion thereof of SEQ ID NO:12.

72. (Previously presented) An isolated host cell comprising the expression vector of claim 71.

73. (Previously presented) The expression vector of claim 16, wherein the nucleic acid molecule encodes the humanized heavy chain or antigen binding portion thereof of SEQ ID NO:17.

74. (Previously presented) An isolated host cell comprising the expression vector of claim 73.

75. (Previously presented) The isolated host cell of claim 19, wherein the first nucleic acid molecule encodes the humanized light chain or antigen binding portion thereof of SEQ ID NO:12.

76. (Previously presented) The isolated host cell of claim 19, wherein the second nucleic acid molecule encodes the humanized heavy chain or antigen binding portion thereof of SEQ ID NO:17.

77. (Previously presented) The isolated host cell of claim 75, wherein the second nucleic acid molecule encodes the humanized heavy chain or antigen binding portion thereof of SEQ ID NO:17.

78. (Currently amended) A method of preparing a humanized immunoglobulin that bind to CC chemokine receptor 2 (CCR2) comprising maintaining a host cell of any of claims 75, 76 or 77 under conditions appropriate for expression of a humanized immunoglobulin, whereby humanized immunoglobulin chains are expressed and a humanized immunoglobulin is produced.

79. (Previously presented) The method of claim 78, further comprising the step of isolating the humanized immunoglobulin.

80. (Previously presented) The isolated host cell of any one of claims 15, 18 and 19, wherein the host cell is a mammalian host cell.

81. (Previously presented) The isolated host cell of claim 80, wherein the host cell is selected from the group consisting of a COS cell, a CHO cell, a HeLa cell, and an NSO cell.

82. (Previously presented) The isolated host cell of any one of claims 72, 74, 75, 76 and 77, wherein the host cell is a mammalian host cell.

83. (Previously presented) The isolated host cell of claim 82, wherein the host cell is selected from the group consisting of a COS cell, a CHO cell, a HeLa cell, and an NSO cell.

84. (Previously presented) The expression vector of any one of claims 13, 16, 71 and 73, further comprising one or more of: a selectable marker gene, and a transcriptional control element.

85. (Previously presented) The expression vector of claim 84, wherein the vector comprises one or more selectable marker selected from the group consisting of: an ampicillin resistance gene, a neomycin resistance gene and a dihydrofolate reductase marker gene.